

ABSTRACT

Multiple application programs in wireless devices are managed and controlled by a software bus and a control file or similar readily programmer-configurable data-driven mechanism. Buttons or other discrete user interface input controls are linked to commands in the application programs in a platform-independent manner using the control file. In a touch-screen-based device, for example, the control file or other such mechanism defines the sequences in which a user can navigate screens and the user interface controls displayed to a user on each screen. A user interface control activation or similar user input event causes an address to be written to the bus, which responds by invoking a corresponding method, such as one that causes a new screen to be displayed. New application programs can be added to the device and readily integrated with existing programs by updating the control file.